

L Number	Hits	Search Text	DB	Time stamp
21	376	372/23.ccls.	USPAT;	2002/09/28 16:59
			US-PGPUB	
22	22	372/23.ccls. and 372/68.ccls.	USPAT;	2002/09/28 16:52
		·	US-PGPUB	
23	11	372/23.ccls. and 372/43.ccls.	USPAT;	2002/09/28 15:47
			US-PGPUB	0000100100 40 45
24	75	372/23.ccls. and 372/50.ccls.	USPAT;	2002/09/28 16:15
	_		US-PGPUB	0000/00/00 40 40
25	0	(372/23.ccls. and 372/50.ccls.) and schottky	USPAT;	2002/09/28 16:16
			US-PGPUB	0000/00/00 40:47
26	0	372/23.ccls and schottky	USPAT;	2002/09/28 16:17
		070/40 and and and are affiliated	US-PGPUB	2002/09/28 16:17
27	0	372/43.ccls and schottky	USPAT; US-PGPUB	2002/09/20 10.17
20	4667	ashattley adi barriar	USPAT;	2002/09/28 16:18
28	4667	schottky adj barrier	US-PGPUB	2002/09/20 10.10
29	105	(schottky adj barrier) and 372/\$.ccls.	USPAT:	2002/09/28 16:18
29	103	(Schottky auj Damer) and 37274.0018.	US-PGPUB	2002/03/20 10:10
32	1	(372/23.ccls. and 372/50.ccls.) and gan	USPAT;	2002/09/28 16:50
J2	'	(012/20.0000. dila 012/00/00/00/00/00/00/00/00/00/00/00/00/00	US-PGPUB	
33	5	372/23.ccls. and gan	USPAT:	2002/09/28 16:50
		012/200001 and gain	US-PGPUB	
34	2	gan and 372/68.ccls.	USPAT;	2002/09/28 16:58
	_		US-PGPUB	
35	5	nitride and 372/68.ccls.	USPAT;	2002/09/28 16:58
			US-PGPUB	
36	14	372/23.ccls. and nitride	USPAT;	2002/09/28 16:59
			US-PGPUB	



Number Hits Search Text 1	L Number
1	
1	1
Semiconductor and ridge and (bidirectional near laser) US-PGPUB USPAT; US-PGPU	
3	2
25 bidirectional near laser US-PGPUB USPAT; US-PGPUB USP	_
25 bidirectional near laser USPAT; US-PGPUB USPAT; US-PGPU	3
10	
5 10 (((forward near bias\$2) and (reverse\$2 near bias\$2)) near laser) USPAT; US-PGPUB USPAT;	4
168	E
6 168 ((((forward near current\$2) and (reverse\$2 near current\$2)) and Led) USPAT; US-PGPUB USPAT;	5
Led (((((forward near current\$2) and (reverse\$2 near current\$2)) and US-PGPUB US	6
1 (((((forward near current\$2) and (reverse\$2 near current\$2)) and Led)) and semiconductor) and ridge 1 ((((forward near current\$2) and (reverse\$2 near current\$2)) near Led) 1 ((((forward near current\$2) and (reverse\$2 near current\$2)) near Led) 1 (((((forward near current\$2) and (reverse\$2 near current\$2)) and USPAT; US-PGPUB USPAT	U
Led)) and semiconductor) and ridge (((forward near current\$2) and (reverse\$2 near current\$2)) near Led) ((((forward near current\$2) and (reverse\$2 near current\$2)) and Led)) (((((forward near current\$2) and (reverse\$2 near current\$2)) and Led)) and semiconductor 10 1263 semiconductor and ridge and led 11 (semiconductor near ridge) and led 12 (semiconductor near ridge) and (flip near chip) 13 (semiconductor near laser) and ridge and flip 14 42 ((semiconductor near laser) and ridge and flip) and led USPAT; US-PGPUB	8 .
9 1 (((forward near current\$2) and (reverse\$2 near current\$2)) near Led) 7 89 ((((forward near current\$2) and (reverse\$2 near current\$2)) and Led)) and semiconductor 10 1263 semiconductor and ridge and led 11 1 (semiconductor near ridge) and led 12 3 (semiconductor near ridge) and (flip near chip) 13 87 (semiconductor near laser) and ridge and flip 14 42 ((semiconductor near laser) and ridge and flip) and led USPAT; US-PGPUB	· ·
Led) ((((forward near current\$2) and (reverse\$2 near current\$2)) and Led)) and semiconductor semiconductor and ridge and led 11	9
7 89 ((((forward near current\$2) and (reverse\$2 near current\$2)) and Led)) and semiconductor 10 1263 semiconductor and ridge and led 11 11 (semiconductor near ridge) and led 12 3 (semiconductor near ridge) and (flip near chip) 13 87 (semiconductor near laser) and ridge and flip 14 42 ((semiconductor near laser) and ridge and flip) and led USPAT; US-PGPUB USPAT; U	
10 1263 semiconductor and ridge and led USPAT; US-PGPUB USPAT;	7
US-PGPUB USPAT; 2003/03/25 1	
11	10
12 3 (semiconductor near ridge) and (flip near chip) 13 87 (semiconductor near laser) and ridge and flip 14 42 ((semiconductor near laser) and ridge and flip) and led US-PGPUB USPAT; US-PGPUB	
12 3 (semiconductor near ridge) and (flip near chip) 13 87 (semiconductor near laser) and ridge and flip 14 42 ((semiconductor near laser) and ridge and flip) and led USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; 2003/03/25 1	11
US-PGPUB USPAT; 2003/03/25 1 14 42 ((semiconductor near laser) and ridge and flip) and led US-PGPUB USPAT; 2003/03/25 1 US-PGPUB USPAT; 2003/03/25 1	
13 87 (semiconductor near laser) and ridge and flip USPAT; US-PGPUB US-PGPUB 14 42 ((semiconductor near laser) and ridge and flip) and led USPAT; 2003/03/25 1	12
US-PGPUB US-	42
14 42 ((semiconductor near laser) and ridge and flip) and led USPAT; 2003/03/25 1	13
	1/
	14
15 2 (semiconductor near laser) and ridge and led and 372/23.ccls. USPAT; 2003/03/25 1	15
US-PGPUB	
16 31 (semiconductor near laser) and ridge and 372/23.ccls. USPAT; 2003/03/25 1	16
US-PGPUB US-PGPUB	
17 8 (semiconductor near laser) and ridge and 372/68.ccls. USPAT; 2003/03/25 1	17
US-PGPUB US-PGPUB	
18 14 ((semiconductor adj laser) near ridge) and led USPAT; 2003/03/25 1	18
US-PGPUB US-PGPUB	4.0
19 103 ((semiconductor adj laser) near ridge) USPAT; 2003/03/25 1	19
US-PGPUB US-PGPUB US-PGPUB US-PGPUB USPAT; 2003/03/25 1	20
(((semiconductor adjilaser) near ridge)) and electrode US-PA1; 2003/03/25 I	20
21 11 (semiconductor near laser) and ridge and schottky and gan USPAT; 2003/03/25 1	21
US-PGPUB	

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L Number	Hits	Search Text	DB	Time stamp
47	0	("(dual near wavelength) and (flip near chip) and laser").PN.	USPAT; US-PGPUB	2003/03/03 16:46
48	6	(dual near wavelength) and (flip near chip) and laser	USPAT; US-PGPUB	2003/03/03 16:48
49	21	(dual near wavelength) and (vcsel or (edge near emitting))	USPAT; US-PGPUB	2003/03/03 16:52
50	0	(dual near wavelength) and (vcsel or (edge near emitting)) and flip	USPAT; US-PGPUB	2003/03/03 16:53
51	4	(dual near wavelength) and (edge near emitting) and flip\$4	USPAT; US-PGPUB	2003/03/03 16:56
52	19	(dual near wavelength) and (edge near emitting)	USPAT; US-PGPUB	2003/03/03 17:00
53	0	(dual near wavelength) and ridge and (semicondcutor near laser) and (inversely near connect\$3)	USPAT; US-PGPUB	2003/03/03 17:03
54	0	(dual near wavelength) and ridge and (semicondcutor near laser) and (optical near pickup)	USPAT; US-PGPUB	2003/03/03 17:04
55	0	(dual near wavelength) and ridge and (semicondcutor near laser) and (cd or dvd)	USPAT; US-PGPUB	2003/03/03 17:04
56	0	(dual near wavelength) and ridge and (semicondcutor near laser)	USPAT; US-PGPUB	2003/03/03 17:04
57	0	(dual near wavelength) and ridge and (semiconductor near laser) and (inversely near connect\$3)	USPAT; US-PGPUB	2003/03/03 17:04
58	1	(dual near wavelength) and ridge and (semiconductor near laser) and (optical near pickup)	USPAT; US-PGPUB	2003/03/03 17:05
59	1	(dual near wavelength) and ridge and (semiconductor near laser) and (cd or dvd)	USPAT; US-PGPUB	2003/03/03 17:05
60	24	(dual near wavelength) and ridge and (semiconductor near laser)	USPAT; US-PGPUB	2003/03/03 17:10
61	0	(dual near wavelength) and (semiconductor near laser) and (polarity near switch\$3)	USPAT; US-PGPUB	2003/03/03 17:13
62	0	(dual near wavelength) and (semiconductor near laser) and ((polarity or current) near switch\$3)	USPAT; US-PGPUB	2003/03/03 17:14
63	43	(dual near wavelength) and (semiconductor near laser) and switch\$3	USPAT; US-PGPUB	2003/03/03 17:27
64	0	(dual near wavelength) and (semiconductor near laser) and 372/38.03.ccls.	USPAT;	2003/03/03 17:27
65	1	(dual near wavelength) and 372/38.03.ccls.	US-PGPUB USPAT; US-PGPUB	2003/03/03 17:28
66	0	(dual near wavelength) and 372/38.05.ccls.	USPAT;	2003/03/03 17:28
67	1	(dual near wavelength) and 372/38.07.ccls.	US-PGPUB USPAT;	2003/03/03 17:29
68	1	(dual near wavelength) and 372/38.04.ccls.	US-PGPUB USPAT;	2003/03/03 17:30
69	6	(dual near wavelength) and 372/68.ccls.	US-PGPUB USPAT;	2003/03/03 17:31
70	6	(dual near wavelength) and 372/43.ccls.	US-PGPUB USPAT;	2003/03/03 17:36
71	45	(dual near wavelength) and switch\$4 and polarity	US-PGPUB USPAT; US-PGPUB	2003/03/03 17:36